AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the subject Patent Application:

LISTING OF CLAIMS:

1 – 8 (Cancelled)

9. (New) An anaerobic hydrogen-producing process comprising the steps of:

(a) shattering waste into particles of less than 1 mm in length and width;

(b) forming a seeding solution having a spore bacteria;

(c) mixing said shattered waste and said seeding solution;

(d) fermenting the mixture of step (c) and forming hydrogen gas; and

(f) collecting said hydrogen gas.

10. (New) The anaerobic hydrogen-producing process as recited in Claim 9, wherein said step (b) further includes the steps of:

(a) placing a weed compost or a cattle dung compost into a fermentor;

(b) fermenting said weed compost or said cattle dung compost for three hours at a temperature of approximately 80° - 90° C;

(c) mixing said fermented weed compost or cattle dung with reverse osmosis water, said mixture having a weight ratio being 0.5 – 1.5\0.5 – 1.5\10; and

(d) stirring the mixture of step (c) and allowing the mixture to settle thereby forming said seeding solution.

11. (New) The anaerobic hydrogen-producing process as recited in Claim 9, wherein step (d) further includes the steps of:

(a) placing said shattered waste, said seeding solution and nutrients in a thermostatic reactor;

(b) adding pure water into said thermostatic reactor;

(c) adjusting a temperature of said thermostatic reactor to approximately 35° to 45° C; and

(d) exposing a mixed gas of carbon dioxide and nitrogen to contents of said thermostatic reactor.

12. (New) The anaerobic hydrogen-processing process as recited in Claim 11, wherein said nutrients of step (a) include:

(1) 500 to 600 mg/L of ammonium acid carbonate (NH_4HCO_3);

(2) 35 to 45 mg/L of potassium dihydrophosphate (KH_2PO_4);

(3) 3 to 5 mg/L of magnesium sulfate ($MgSO_4.7H_2O$);

(4) 0.3 to 0.5 mg/L of sodium chloride (NaCl);

(5) 0.3 to 0.5 mg/L of sodium molybdate ($NaMoO_4$. $2H_2O$);

(6) 0.3 to 0.5 mg/L of calcium chloride ($CaCl_2$. $2H_2O$);

(7) 0.5 to 0.7 mg/L of manganese sulfate ($MnSO_4$. $7H_2O$); and,

(8) 0.10 to 0.15 mg/L of ferrous chloride ($FeCl_2$).